

1830 J/1111

William B. Barber 259 Grand St

Wash the teeth with vinegar and <sup>alkali</sup> will remove the tartar - then use powdered charcoal & the tincture of rhubarb will prevent its formation & little vinegar added to cream will afford the churning -  
scald the earth before sowing seeds and scald the roots of fruit trees well rejuvenate them

Soak seed corn in copperas water will destroy the wire & cut worm. warm the water make it strong with copperas and soak the corn 18 hours before planting.

the small withow speckled bugs may be destroyed by lighting fires in the garden evening (say several) the bugs will fly into the fire

in  
milk your cows quite clean then you dry up the cows - milk pans should not more than 3 inches deep

the pulse of a well horse is 36 or 40 beats in a minute - decoction of white oak bark with kill betts of a good horse round body stiff dock short back - the quail high in the forehead - chews his betts when provoked

POPULATION AND EXTENT OF THE UNITED STATES.—The late census presents the following important table of statistics, giving the number of inhabitants in each State and Territory, the area of each State, and the number of inhabitants to the square mile.

State.	Area in sq. miles.	Population in 1850.	No. of inhabitants to sq. m.
Maine.....	30,000	533,189	19.44
New Hampshire....	9,250	317,964	34.26
Vermont.....	10,212	313,611	30.67
Massachusetts.....	7,800	994,499	126.11
Rhode Island.....	1,500	147,544	103.03
Connecticut.....	4,674	379,791	79.33
New York.....	46,000	3,097,394	67.68
New Jersey.....	8,320	489,553	60.04
Pennsylvania.....	44,000	2,311,746	50.25
Delaware.....	2,150	91,585	43.61
Maryland.....	9,376	583,035	62.31
Virginia.....	61,352	1,421,661	23.17
North Carolina.....	48,000	838,903	19.30
South Carolina.....	21,500	668,507	37.23
Georgia.....	58,600	906,909	15.68
Alabama.....	50,722	771,671	15.21
Mississippi.....	47,156	608,555	12.86
Louisiana.....	46,431	511,974	11.02
Texas.....	237,321	212,592	.89
Florida.....	59,268	87,401	1.47
Kentucky.....	37,620	132,405	26.07
Tennessee.....	45,000	1,002,625	21.98
Missouri.....	67,380	682,043	10.12
Arkansas.....	52,198	209,639	4.01
Ohio.....	39,964	1,980,406	49.55
Indiana.....	33,809	908,406	29.23
Illinois.....	55,405	851,470	15.36
Michigan.....	56,243	367,634	7.07
Iowa.....	50,914	192,214	3.77
Wisconsin.....	53,924	305,191	5.65
California.....	188,981	6,077	.07
Minnesota.....	83,000	13,223	.03
Oregon.....	34,463	61,503	.28
New Mexico.....	210,744		
Utah.....	197,423		
Nebraska.....	136,700		
Indian.....	187,171		
Northwest.....	527,564		
District of Columbia.	60	51,687	861.45
	3,231,595	28,080,793	

To this number should be added about 200,000 for California and Utah.

*12.00*  
*6.00*  
*1.00*  
*1.00*  
*3.00*  
*5.00*  
*the River 1.50*  
*4.00*  
*land 5.00*  
*stone 25.00*  
*for 10.00*  
*July 3rd 2.00*  
*on stone*  
*200 18.00*  
*10.00*  
*5.00*  
*10.00*  
*4.00*  
*100.00*

*13 do.*  
*printing for C.*  
*View of intended Buildings in*  
*the park*  
*30.00*  
*6.00*  
*15.00*

William B. B.

Wash the teeth with  
will remove the  
powdered Charcoal  
whitening will  
A little vinegar  
effluvia the  
scald the coat

and soald to  
will remove

Soak out  
will den  
warm  
with oil  
18 to

the  
ma  
in

the lungs

with your cow  
you dry up the cow  
should not move the engoun

deeps  
the pulse of a well horse is 36 or 40  
beats in a minute - decoction of  
white oak bark with kill better  
a good horse round body stiff dock  
short back - the quiet high in the  
forehead - chud his better when provoked

expectation. There are  
the Department, while  
there are those who, tho  
main in the police for ages  
good policemen. The report  
mends that the Department  
lieve itself of this latter class  
places with others better qual  
change the propriety of making  
and of the investigation of and ac  
upon complaints preferred against  
of the Department, and that the su  
taken into consideration by the C  
Council.

THE IRISH LINE OF STEAMSHIPS.-  
people of Galway, Ireland, we believe ar  
be again disappointed in their hopes of ha  
ing a line of Steamships from this port  
Galway. A Mr. Wagstaff, of this city, some  
months since appeared in that city, and pro  
posed to get up a line of Steamships forth  
with. A special meeting of the Galway Har-  
bor Commissioners was called to receive Mr.  
Wagstaff, and hear his propositions. His  
speech on that occasion was copied into the  
American papers, and it certainly was cal-  
culated to leave the impression that he would  
not back out of the enterprise. Mr. Wag-  
staff may then have been earnest in his de-  
terminations, but what obstacles and discour-  
agements he may subsequently have encoun-

# Prices of Work

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Sailors Chart on stone	\$12.00
Printing pr hund.	6.00
Transferring Circulars	1.00
Writing one page	1.00
Printing pr hund.	3.00
Sailors pr figure	5.00
Use of stone map Black River	0.50
Lettering	4.00
Printing Portraits pr hund.	5.00
Portrait of Gallatin on stone	25.00
Printing 100 Copies of paper	10.00
Visiting cards on stone & printing	3.00
Washington Mib. Civil Ball on stone	
and paper printing	2.00 18.00
Facsimile on stone	10.00
Printing 750	5.00
Plan of the park	10.00
Printing for C.	4.00
Plan of 11 Markits	100.00
do 13 do	30.00
printing for C.	6.00
View of intended Buildings in the park	15.00



Steam Boat Charviller Livingston	\$ 15.00
Printing for C. ———	6.00
Portrait of Vich. ———	10.00
printing for C. ———	5.00
Circular 1 page 200 imp.	5.00
Map of property in Harlem	15.00
Printing \$3 per C. 1 man paper 275	6.75
Map of rail road on Morris Canal	15.00
Printing for C. ———	3.00
Map of property in Brooklyn and furnish 500 imp.	22.50
Transfer small plate Mustard	
18 on stone printing for C. paper found	1.50
Landscape for Clock Manufacturing with an ornamental border —	15.00
Plate of Gymnastics ———	10.00
Riding school. Reulstons.	60.00
Printing for C. ———	10.00
100 sheets french paper	8.00
Neptune label on Goods ———	10.00
Engraving label for Dr. Hubert Auger	10.00
Printing 196 sheets transfer 15 and 1 plate	2.00
paper ———	1.86
Executing map Sterling Company and printing	
1 man 960 sheets and find paper	12.00
Extra printing by Danforth ———	5.00

Ex Libris & Lms inspectors card transfer	
100 imp. paper found	\$2.25
Circular 240 sheets paper found	5.00
Bank Checks transfer 100 imp.	1.50
View of N. York for Mustard	10.00
printing for C. labels transfer	15.00
Dates of sailing of Home packets	5.00
Centre Table, Muses	80.00
Napoleon and Bevanee	50.00
Map of N Brunswick	30.00
printing paper found as	6.00
Tickets St. Patrick's Dinner party p. C.	2.00
Cards post 6 s.	1.00
Tickets for Bell Park Theatre	2.00
printing 1500 at 1 p. C. and card	15.00
Niagara Falls	50.00
Do - - other side	50.00
View of an institute in Flushing	25.00
Printing p. C. paper found as	2.00
200 Circulars 2 pgs and paper	5.00
Map of Liverpool Harbour Black Rock	
on stone	15.00
printing for C. paper found	6.50

Steam Boat Chas. W. Livingston \$ 15.00

Printing for C. ——— 6.00

Portrait of N. H. ——— 10.00

printing for C. ——— 5.00

Circular 1 page 200 imp. 5.00

Map of property in Harlem 15.00

Printing \$3 per C. & more paper 3.75 6.75

Map of rail road on Morris Canal 15.00

Printing for C. ——— 3.00

Map of property in Brooklyn  
and furnish 500 imp. 22.50

Transfer small plate Mustard

18 on stone printing for C. paper found 1.50

Landscape for Clock Manufacturing

with an ornamental border — 15.00

Plate of Gymnastics ——— 10.00

Riding school. Reulstons. 60.00

Printing for C. ——— 10.00

100 sheets french paper 8.00

Napier label on goods ——— 10.00

Engraving label for Dr. Hubert sugar 10.00

Printing 196 sheets transfer 15 and plate 2.00  
paper ——— 1.86

Printing Map Starting Company and printing  
1 ream 960 sheets and find paper 12.00  
Cape printing by Davenport ——— 5.00



La Land & Lue inspectors card transfer	
100 imp. paper found —	\$2.25
Circular 240 sheets paper found —	5.00
Bank Checks transfer 100 imp.	1.50
View of N. York for Mustard	10.00
printing for C. labels transfer	15.00
Dates of sailing of Hovee packets	5.00
Centre Table, Musis —	80.00
Napoleon and Bevaner —	50.00
Map of N Brunswick —	30.00
printing paper found as	6.00
Tickets St. Patricks Dinner party p. C.	2.00
Cards pub 6 s. —	1.00
Tickets for Ball Park Theatre	2.00
printing 1500 at 1 p. C. and Cards	15.00
Niagara Falls —	50.00
Do — other side —	50.00
View of an institute in Flushing	25.00
Printing p. C. paper found as	2.00
200 Circulars 2 pgs and paper —	5.00
Map of Newport Harbour Black Rock	
on stone —	15.00
printing for C. paper found	6.50

Lithography discovered in the Year 1796  
Mr. Alois Senefelder of Munich inventor  
a Goldsmith of Florence - Mass Finiguera  
inventor of engraving and printing by the  
Carbonate of limestone. for Lithography  
Lith in Italy 1807 Dalmanni of Munich  
established it in Rome Vienna and Milan  
Wm Doffenback introduced it in  
France and England

1<sup>st</sup> The facility which limestones have  
of absorbing water with avidity  
without the fluid contracting any  
very intimated adhesion with them

2<sup>d</sup> The penetration or the strong  
adhesion that greasy and resinous  
substances produce on these stones

3<sup>d</sup> The affinity of resinous or  
greasy substances for the substance of  
the same nature and the antipathy  
of those very substances in regard  
to water or watery substances of  
these three principles derive an  
equal number of consequences -  
Lith stones are a Compact Lime Stone  
The best stones are found in Pöfing  
a small town 5 leagues from Munich in  
Bavaria -

Choices of stones for drawings—  
an even tint grayish colour and  
transparent —————

Chalks are made of Wax grease  
and resinous substances—  
They are hardened by calcination  
to a certain degree —————

Gum Arabic how prepared  
a drawing of paper should be  
gummed with gum newly dissolved  
it will have a better effect than  
old gum —————

### Printing —————

When you have the stone for the  
night roll the roller lightly over  
the drawing to take up what ink  
the last impression has spread  
and charge the drawing a little  
so that the gum will not  
cover the drawing but only remain  
around the drawing to prevent it from  
spreading and preserve it. Then  
when you print again the ink  
will take to the drawing it being  
thus raised above the gum by being  
charged with ink the next printing

When the stone becomes spotted or  
smuttily ask of the drawing with turpentine  
and then with water. Then ink it  
and take off a light impression  
then ink the drawing again it will  
sit it rest untill morning —

To fetch a drawing back which  
is too strongly prepared or otherwise  
injured with acid — Take preserving  
ink & rub it on the drawing or part  
injured. Take care that the stone  
is not dry. The ink must be  
diluted with spirits of Turpentine.  
In this operation then rub it  
off with a dry rag and immediately  
apply the roller —

When the ink becomes too hard  
put a little varnish to soften it  
mix the varnish well with the  
roller then roll the roller lightly  
over the drawing to prevent it  
from falling up always roll  
the roller lightly when the ink  
is soft but when the ink is  
hard bear on the roller and show

Preparation with acid

Be particularly careful to have the  
acid well mixed with the water

so that when applied to the corner  
of the stone for trial it will rise  
in very fine bubbles, dash the  
air over the drawing when it has  
stuck sufficiently dash on water  
then drain of the water and  
apply gum Arabic with a large  
fine brush but be very careful  
not to rub the drawing with  
the brush otherwise you would  
remove the chalk it being thus  
rendered soft by the air and  
water put the stone level so  
that the gum will dry on  
every part equally

To start a new Drawing  
First remove all the gum with  
water then put on pure spirits  
of turpentine with a clean  
linen rag then apply the roller  
with new ink then proceed to  
printing When a drawing is  
removed through any means  
and is retouched - put it on the  
press with a clean paper on it  
and pass it under the scraper



to fasten the retiches then it will  
remain and take effect —

When lettering is corrected  
after it has been printed and  
scraped it is necessary to gesso  
it and gess it but if the old  
letters are entirely scraped away  
gess only. will answer —

To remove a drawing without  
grinding scraping or picking  
without injuring the grain  
so that another can be drawn  
or parts of drawings removed  
and retouched —

Take pearl ash and dissolve it  
and put it on such parts as  
is to be removed let it remain  
on a while then wash it off  
and put more on so repeat the  
process untill the gress is  
entirely removed —

Printing ink

1 pt Turpentine Lamp Black —

1 do. Rosin Black —

1/2 the size of Walnut Broom and  
the same quantity of tallow

1 pt Spirits of Wine let it burn

3/4 away then put a beard on  
the pot and smother it then  
take a small quantity of it  
and make the ink with varnish

It is well to put a little  
gum in the ink for printing

Ink should be made and  
rested several weeks then ground  
it again untill it is very fine

Never take off a drawing with  
turpentine but once if it becomes  
smutty change your ink for  
harder ink and it will clear  
it up —

Red. Varnish for pictures  
scrap tallow —

Gum Mastic & turpentine boiled  
together. take care that it does  
not take fire —

Sainglass boiled in spirits  
of wine will produce a fine  
transparent cement which  
will unite broken glass so as  
to render the fracture almost  
imperceptible and perfectly  
secure —

To make Soap Water  
Marseille soap dissolved in  
rain water for 2 days pour  
the slime off. mix this  
slime with  $\frac{1}{8}$  part turpentine  
and shake it together it then  
has the appearance of Milk  
put it on the stone with  
a rag and immediately rub  
it over with a clean rag  
to spread it over even. it  
then is fit for the use of  
the steel pen —

#### To make Steel pens

Take the spring of a clock or  
watch dilute Nitric acid to a  
proper strength and dip the  
spring into it and then rub  
it on each side with cloth &  
continue the operation untill  
it is eaten to a proper thinness  
then make the pen with fine  
kenn scissors till the is made  
round it in shape of half quill

by means of a hard piece of  
wood being made hollow in  
shape of a quill then rub the  
steel into the fluted wood  
until the proper shape  
is acquired

### Printing Ink

Resin Black Indigo Blue  
& Varnish. Indigo enough  
to give it a rich cast of Blue  
sufficient to make it stiff  
enough for use. it must be  
ground very fine

### Varnish

Take linseed oil and boil  
it down and burn it a  
little - when it is boiled  
quite thick put in onions  
and bread to soak up the  
grease that is in the oil

### Preserving Ink.

$\frac{1}{4}$  part Res Wax  $\frac{3}{4}$  tallow & Black  
Tinge.  
White soap isinglass and starch  
boiled together

## Transfer paper

Starch and Gampage boiled  
and put on India paper

## Writing Lettering ink

Mutton Tallow cast still soap  
Kidney Fat and <sup>turpentine</sup> Black, cooked  
together  $\frac{2}{8}$  Tallow  $\frac{1}{2}$  soap Black to  
darken it

Black for chalk or writing  
ink. Take an oil lamp fill  
it with turpentine and  
let it burn under an  
empty barrel and the black  
of the smoke use for the  
above purposes

White Wax - instead of lard

## Transferring

Heat the copper plate so that  
it will melt the ink then  
fill the plate with Lith. ink  
then rub the ink off with  
rags and rub a little on  
your hand and rub it over  
the plate to clean the surface  
put the transfer paper on



dry and five or six sheets of  
spongy paper wet on that  
then press it through the  
press then heat the plate  
untill the paper is dry  
then pull it off gently—

To transfer the impression  
after preparing the stone on  
the press, take care that  
every thing is right and ready  
then put the impression  
on dry with a number of wet  
pieces of paper and give it a  
gentle pressure to fasten it to  
the stone then soak of the  
paper with water then let  
it rest a while then warm  
the stone a little after the  
stone becomes cold then  
ascidulate the stone and  
gum it and put it away  
after which it is ready for  
printing—

Red ink --- Red Lead and Varnish  
Blue do. White lead indigo & Varnish

Crayons No 2.

White Marseilles soap	6 oz.
White Wax	10
Gum Shellack	3
(Turpentine) Black	4
Mastic or Larrea	2
Colophane	$\frac{1}{8}$

Preserving ink

	(parts)
White wax	2 $\frac{1}{2}$
Mutton Tallow	1
White soap	1
Black	2

Crayons

Gum shellack	1 oz
White castile soap	1 $\frac{1}{2}$
White bees wax	2
Hardney Mutton Tallow	$\frac{1}{2}$
Essence of Turpentine Black	

Crayons No. 1.

(parts)

White wax	23
Gum lacquer shellack	1
White Marseilles soap	2 1/2
Mastic in turpentine	1/4
Kidney Mutton fat	1/2
lamp Black	1 1/2

Ink 1

23 parts

Wax	23
Gum lacquer shellack	2
Marseilles soap	1
Kidney Mutton fat	1/2
lamp Black	1

Ink No. 2

Soap	5 1/2
White Wax	5 1/2
lamp Black	3
Gum lacquer shellack	3 1/2
Mastic in turpentine	2
Spirits of Wine	1
Heat fine	1/4

Stye

White soap —————  $1\frac{1}{2}$  oz.  
Alum ————— 1  
Isinglass —————  $\frac{1}{2}$   
Water 2 qts. Boiled a short time

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Ink for impressions

Blue Indigo — 2 grs. <sup>13</sup> 16 grs. to  
Wax and Ghee — 2  
Frankfort Black 1 oz.  
Lamp Black — 2  
Varnish

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Rept. for writing ink

Scrape common horn, put the  
scrapings in a bottle with sharp  
vinegar let it stand a few weeks  
and it will become a bright  
jet Black

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For making Black Ink

Chemical Repts.

Oil of camomile and Phosphorus  
mixed together & Boiling warm  
for 5 hours - & rubbed over the face

gives the parts harmonized a  
luminous appearance

Potassium, as large as a flax  
and put in the turret with  
of a candle by wetting the  
wick it becomes ignited  
and will flame

Iron filings, and oil of vitrol  
put in a glass bottle and  
corked tight, a hole made  
in the cork by means of a  
fine needle the gas thus  
generated in the bottle will  
escape through this small  
aperture when lighted with  
a candle will burn

Take a <sup>large</sup> glass of water and  
add a small piece of Phosphorus  
in the glass under water put  
a pipers stem on the phosphorus  
pour a little oil of vitrol in  
the bowl of the pipe it will  
kindle a fine under water



Singe

White soap —————  $1\frac{1}{2}$  oz.

Alum ————— 1

Singe leys —————  $\frac{1}{2}$

Water 2 qts. Boiled a short time

Ink for impressions

Blue Indigo — 2 grs. <sup>13</sup> 16 grs. to

Wax and Grease — 2

Frankfort Black 1 oz.

lamp Black — 2

Varnish

Reet. for writing ink

Scrape common horn, put the  
scrappings in a bottle with sharp  
vinegar let it stand a few weeks  
and it will become a bright  
jet Black

~~Reet. for writing ink~~

Chemical Repts.

Oil of camomom and Phosphorus  
mixed together & Boiling water  
for 5 hours - & rubbed over the face

gives the ports hammered a  
luminous appearance —

Potassium, as large as a flax  
and put in the turret with  
of a candle by wetting the  
wick it becomes ignited  
and will flame —

Iron filings, and oil of vitrol  
put in a glass bottle and  
corked tight, a hole made  
in the cork by means of a  
fine needle the gas thus  
generated in the bottle will  
escape through this small  
aperture when lighted with  
a candle will burn —

Take a <sup>th</sup> thin glass of water and  
~~add~~ a small piece of Phosphorus  
in the glass under water put  
a pipes stem on the phosphorus  
pour a little oil of vitrol in  
the bowl of the pipe it will  
kindle a fire under water

Paper

Folio post ps. Medium Writing ps.  
Christo. ps. Elephant ps. —  
Medium printing ps. Folio  
printing ps. Medium plate ps.  
Royal printing ps. Imperial  
printing ps. Vallum post ps.  
First class Vallum Post ps.

Larnach Boston  
Land in the Illinois

Iron ship 7 North of ring  
2 East north half

Section 24

Left Home Aug 24<sup>th</sup> 1830  
rode to Plunkin with my Father  
and Mother bid them farewell on  
Wednesday for the ship Kings had a  
conversation with a deaf dumb young  
man with whom I was much pleased



Came to Bainbridge 10 miles  
from Unadilla passed on to  
South Bainbridge 6 miles  
farther on the Susquehanna  
River staid all night. My  
feet blistered pains me the  
travel. Sept 1 started from  
South Bainbridge & followed  
the Susquehanna River down  
passed several settlements and  
arrived at Unchis on the <sup>opposite</sup>  
side of the River where I  
crossed in a canoe where I  
very fortunately found Unch  
lives 3 miles up the River from  
Chenango Point in Broome  
County. Staid at Unchis untill the  
next Monday morning, Saturday  
~~for several days~~ in a canoe  
the present one a Gold ring. Unch  
promises to write to Father Sunday  
I went to church and heard Mr.  
Westcott preach (a youth of 21 years)



He preached an able discourse on the  
character of Christ and Trinity  
Monday, I went to Chinang Point  
~~and~~ and remained at Mr Cummings  
until next day. I then thought  
of starting but it rained all day  
and I was obliged to stay another  
day during which time I saw  
the miniature of a Mrs. Bradford  
a lady that plays on the Church  
Organ also Mr. & Mrs. Cummings  
and Mr. Westcotts and had  
good success in getting true <sup>new</sup> converts  
Mr Cummings believes that I will make  
a preacher of the Gospel yet the  
family almost worship him  
Mr Cummings introduced me to a  
number in the Village of Binghampton  
Samuel Cummings is a very religious  
and a very good man

4 I awoke Wednesday morning and  
it rained very hard so I was  
compelled to stay another day  
I that day drew the miniature  
of four of Eld. Cummings' family  
and in the evening drew the  
likeness of Mr. Delamater.

Thursday morning the 9<sup>th</sup> Sept.  
I bid farewell to the family  
they sang and prayed for me  
and in shaking hands, with  
them they showed tokens of  
real friendship - I was  
sorry to leave the family  
Binghamton (Chenango Co.)  
is a very flourishing place  
there are four or five Churches  
a courthouse and street as  
paved - All the houses presented  
one a white room to admit light  
I traveled 22 miles Thursday in  
company with Homer Roberts

the Saginawhannock is bordered  
with beautiful flats which  
appear very fertile, at night  
we arrived at Owego and  
put up at an elegant Hotel  
the building is 3 stories with  
9 pillars in front it is indeed  
an elegant building Owego  
is a flourishing place there  
are seven or eight streets  
and a academy courthouse  
it is about as large as Schuyl-  
er Owego is 21 miles from Tioga  
and 36 from Newtown Friday  
morning I had farewell to  
Homer and then was left  
alone in a distant country  
among strangers my feet  
grew sore

Friday noon I left the river  
road 4 miles above Tioga  
and took the Newtown road  
on traveling a few miles I came  
unexpectedly on York State river  
which runs by Newtown the  
road at first is quite on the  
shore and continues for nearly  
a mile completely on the brink  
on one side is the river on the  
other a mountain which rises  
abruptly some places the earth  
has slid down which renders  
the road very narrow and dangerous

Friday I travelled 31 miles and  
put up within 5 miles of New-  
town I fell in company with  
a man that was ~~supposed to~~  
be a man that gave me some  
encouragements which raised  
my spirits a little. Saturday  
I proceeded on my journey and  
passed through Newtown  
which is quite a pretty village  
one sidewalk is paved it is  
about as large as Ouzgo  
I then proceeded onward for  
Painted Post distance about  
18 miles the country here  
generally is uneven and  
mountainous very little  
improvement. I at last arrived  
at the Port which is only  
one Hotel. about a half mile  
below there are a few houses  
two stores & a tavern. 41

8) I then left Painted Post and  
crossed a stream and  
travelled 4 miles farther toward  
Hornsville - in all Saturday  
27 miles. I met a man that  
was returning from Illinois  
he talked quite discouragingly  
he said I would curse the  
day ~~that~~ in which I started  
I then felt rather dejected  
but still determined to  
see the country - Sunday  
Morning awoke and had  
it rain which depressed  
my feelings ~~entirely~~  
I crossed the Cahoon Creek  
at Painted Post and staid at  
the Cornetts Creek, where



I am to follow to <sup>with</sup> Horns  
distance 96 miles  
travelling 18 miles Sunday  
It rained most of the time  
by showers and I was obliged  
to take shelter under trees  
The journey Sunday was  
extremely dreary the road was  
very windy and the mountain  
rising abruptly on either  
side now and then a little  
log hut

Monday morning before I started  
I visited a pile of ground on  
which I found human bones  
legs arms skulls & which  
had been ploughed up several  
years before in one place a  
stump of a large tree had  
been rooted out and under  
it a complete skeleton was  
taken the bones indicated a  
giant like form some suppose  
that these were deposited in  
the time of Genl Sullivan  
but the fact that this large  
tree was taken away from  
over the skeleton warrants  
no such conclusion as a tree  
of that size would not have  
grown in that space of time  
It rained much on Sunday

bid fair for a rainy day. The  
turns look rather dreary but  
I must be resigned it is the  
will of god. I must hope that  
better days may yet arise

but I wonder. Thanks to god the  
daying so good a state of health  
Bears wolves and Panthers  
abound in the country  
rotten snakes are plenty  
I had a tolerable good day for  
travelling, after all the signs  
of a rainy day only the  
roads were in some places  
quite muddy. I found the  
dreary way to day as yesterday  
untill I arrived at Hornblow  
that place is about as large  
as prairie village. I proceeded  
on 8 miles further which  
made in all 22 miles to day  
at 10 miles I had a good dinner

2 Sunday morning I rose early and  
pursued my journey. Travelled  
7 miles before breakfast about  
noon arrived at Abigihio a  
little village probably is larger  
as Cairo village. There was a  
General Parade here so I did  
not tarry long time & then left  
the road and turned to my left  
and travelled about 4 miles I  
crossed the Genesee river which  
is in this place as large as the  
Columbia creek at Madison village.  
The country here appears  
to be tolerably good it is  
not so, after crossing the river  
for about 8 miles or more it  
is almost a complete bog.  
I put up at Friendship  
village. <sup>probably the same</sup>  
2. Potatoes Hollins in all to day  
2.6 miles - 14th Sept -

Wednesday - journeyed on a hot <sup>3</sup> and  
and left the Olsen road and went  
across the mountain to Oseday  
Creek. distance 17 miles. On the  
top of the mountain I saw the  
waters running contrawise, on  
one side the streams runs into  
the Cimarron on the other into  
the Allegheny river. I this  
morning walked 10 miles before  
breakfast - yesterday in passing  
through Angelica I saw an  
old Indian and all his family  
pedling baskets and axe handles.  
They were clad in real Indian  
costumes. The squaw had her  
shield on her back in the  
blanket, travelled through

a piece of woods about 4  
 miles without seeing a  
 clearing. This was a dreary  
 walk, arrived at Mill Grove  
 five miles from Osway. Looked  
 on the Allegheny river and  
 did not find the one for  
 whom I was looking.  
 I then went on to the  
 house of the old man who  
 lived there. He told me  
 that the man I was looking  
 for had been there but  
 had gone away. I then  
 went back to the  
 house of the old man and  
 asked him if he knew  
 where the man I was  
 looking for had gone.  
 He told me that he  
 did not know. I then  
 started for Olean passed  
 through 3 miles and a 1/2  
 woods without a clearing  
 arrived at Olean, quite  
 dejected, then spent quite



unfavorable <sup>15</sup> as the water  
was too low to go down  
in a skiff alone. I went  
to day 30 miles - the Ohio  
creek empties into the Allegheny  
thirty or forty yards above the  
village. The village is quite  
small - it is but a little larger  
than Johnsons hollow and it  
increases but little. The Seneca  
Indians camp all about here.  
I saw a number of places where  
they had stopped and  
the man that I heard with

shot one of their dogs this  
morning with a bullet & gave  
him - but a week this morning

I started from Chumango point  
The day is Thursday the 15<sup>th</sup> Sept

The river here is not more than  
5 or 6 rods wide - narrow and shallow



the nation in the old world  
as the conversation must  
be very interesting to  
us. I am sure that you  
will find it very interesting  
to go to the Convention

the Convention is very  
close to the Convention  
and the Convention is very  
close to the Convention

Ohio is a disagreeable  
place. every thing is very  
dry. they pay no attention  
to agriculture. everything  
engages them. It is a  
very dissipated and wicked  
place. no church but few professors

19<sup>th</sup> This morn. That I was to go with  
is Colvin Mitchell of Syracuse  
a contractor of canals and roads  
who has been worth 800,000  
but unfortunately lost nearly  
all the furnished all the  
timber for the South America<sup>n</sup>  
vessels of War that were built  
in N. York. He is a real  
gentleman and of abilities

<sup>Sat.</sup>  
Tuesday 21<sup>st</sup> began our boat  
I went to mill with a wheel  
barrow & after charcoal. I  
assist towards building the boat  
An ox & hind weighed 129 lb. which  
Mr. Parmenter killed today  
I was weighed also and mine  
weighed 132 lb. It looks much  
like gain which I am much  
pleased to behold. All my work  
now is to be on my way -

wednesday and saw the sky with  
spots which dampen my joy  
again it begins to rain - my  
spirits are again invigorated -  
so extremely anxious to observe  
every cloud - Mr. Mitchell informs  
me that quarrying of carbonate  
of limestone in strata of a  
very fine quality and which  
admit of a fine polish are  
abundant in or near  
Syracuse N.Y. which I believe  
will make good lithographic  
stones. If this be true it is  
a fine discovery and perhaps  
may profit me materially.  
Today 24<sup>th</sup> several showers which  
raised the river a little which <sup>was</sup> much  
to me. Sunday 26<sup>th</sup> in the  
afternoon we started down  
the Allegheny river a boat

2 1/2 of several rocks and bars  
twice we were compelled to  
jump into the river and  
drag the boat several rods  
by main strength. We set  
the boat along with poles  
which was good exercise.  
at night we came along  
shore and fastened our  
boat to a limb of a tree  
and retired to rest feeling  
perfectly secure.



- Monday morning 27<sup>th</sup> started  
on our voyage. it began to  
rain and rained quite hard  
all day which raised the  
water a considerable which  
animated us to a high degree  
we rowed and set our boat  
along with much fatigue

In the rain now and then  
 we run a ground and were  
 obliged to jump into the  
 river and pry it off in  
 one place we had a yoke  
 of oxen to draw us off we  
 are now in the indian  
 settlements every now and  
 then we see a hut on  
 the shore. We bought  
 a broom of an Indian  
 in another place we had  
 an Indian help us make  
 the path of a road we had  
 one to talk and it would  
 and to count time in the  
 native Tongue since

1. Scot, 2. Teekne, 3. Shengke  
 4. Kahk, 5. Wish, 6. Yea, 7. Cha-  
 duck 8. Tegyunuk 9. Tek-tahm  
 10, Was-sank - &c. We stopp  
 in sight of an indian hut

for the night we tied our boat  
to a branch of a tree that  
hung over the river. Tuesday  
morning it still rained  
but chased away our feet  
were wet and cold and have  
been so since we started  
The water is raised by the  
rain so that I took some  
pleasure to day but we  
had to sit and row all  
day against the wind which  
made it very laborious. we  
passed Big Valley an indian  
village consisting of perhaps  
15 or 20 houses 20 miles distant  
from Ocean. 4 miles more we  
passed Little Valley another village  
we saw the indians all along  
the banks. we at night landed  
at a beautiful beach opposite  
an indian house

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Wednesday 29<sup>th</sup> - a fine morning  
a beautiful sun shine day  
I really enjoyed myself to  
day. we rowed with some comp<sup>ort</sup>  
we passed Jones Landing 17 miles  
below Big Valley. thence on  
to the Pennsylvania line  
about a mile above Jones  
mills. 3 in number then on  
to Canajua 5 miles below  
the mills when we left  
Pennsylvania line we left the  
Indian reservation about 3  
miles below the mills the  
celebrated Indian Chief Corn  
Plumtree who is situated on  
a large handsome flat 3 or  
4 houses and 600 acres of land  
when we were some distance below  
corn plantings we saw a white house  
on the right of an island but we

unfortunately lost the left hand  
channel and ran into the run-  
way of a saw mill and were  
obliged to stop for the night  
disappointed enough expecting  
to be obliged to be drawn over  
about 20 rods of ground in  
order to get again into the  
river. <sup>In Ganajon Creek empties here</sup> Thursday 30 to port 2 yoke  
of oxen and drew our boat about  
20 or 30 rods around the mill and  
the water passed on to the lake  
in between the Allegany mountains  
which presents a very pictures-  
que scenery than a west course  
to Warren a very pretty village  
consisting of 100 ~~or~~ houses  
a court house and a high bank  
we stopped here all night the  
river from above 72 miles above  
is very beautiful smooth bottom

Tuesday 1<sup>st</sup> Oct the Conoways boat  
empties at Warren a beautiful  
warm day. we rowed most all day  
put up on an island about 20 rods  
from Warren. We landed our boat at  
a shoal by getting in. The water  
run to day - Saturday 2<sup>nd</sup> from day  
but with a head, obliged to lay  
off many mountains on either side  
a beautiful river. Some places grassy  
in most places smooth bottom  
some parts, by ear to subsist by  
some parts, there are but few fish in  
some parts, some pinkish and buff  
some parts, but not bottom black &  
some parts, some of sand and white  
some parts, with some wild ducks are  
numerous we run a ground once  
to day the river widens, we look  
on an island on a beautiful bay  
Sunday 3<sup>rd</sup> cold foggy morning but  
a beautiful day we urged our boat  
on with much labour passed a  
creek at which there is a few  
and several houses 7 miles to the



distance from Warren 60 miles. Frank  
creek empties at Franklin a considerable  
stream perhaps  $2\frac{1}{2}$  as large as  
the Delaware. At this place we ran  
ground several times today. The  
run back from Franklin for about  
25 miles is a complete zigzag  
course, directly west then directly  
north, a rough mountainous route  
all the way here. Monday 4<sup>th</sup>  
passed our stores in Franklin  
which is a country south of  
consequently I counted 8 miles  
a large covered bridge crosses  
the Frank creek. At this place  
we had our horses shod. The  
about as large as Warren but not  
so handsome. The river today  
more strait until the after part  
of the day when we found some  
large stone bars we made fast  
near a house in a large bay where  
we could not discern the outlet  
Tuesday 5<sup>th</sup> after the fog had disappeared  
we found the outlet of the river at

ran a ground train in the morning  
the remainder of the day we had  
no difficulty. the water has fallen so  
that in some places we with difficulty  
got over them. today we passed a  
bar which ran obliquely for about  
a mile it seemed to have been  
thrown up by art like a terrace  
the water falling over the road  
by little and little. the river bank  
the mountains rise immediately  
from the river having no plain  
one in 4 or 5 miles perhaps we  
find a house which are all  
miserable. instead of rafts they  
put poles across the long shingles  
and build them on the most of  
inhabitants are dirty and low for  
now and then a few acres are  
cleared for a farm and sometimes  
no clearing at all. Wednesday  
5<sup>th</sup> passed on to Clarion River or Shum  
creek (about 48 miles from Frank  
a considerable stream, we ran a

ground there and stuck on two or  
rocks just below, we with difficulty  
got along to Bear creek two miles  
below where we bought 16 bu. of  
coal. There is a large furnace  
about a mile up Bear Creek.  
These mountains abound with  
Iron ore and mineral coal. A  
rail road is completed from the  
Store on the bank of the Allegany  
to the furnace. a few miles below  
they were erecting salt works,  
there being a salt spring. The  
coal is slid down from the  
top of the mountain in trestles  
for the use of the works. we rode  
a few miles farther and put for the  
night having seen no ground  
several times today. The water being  
so very low. Thursday<sup>7th</sup> passed on with  
no difficulty to Red Bank designated  
on the maps a considerable stream  
25 miles from Bear Creek. 10 miles  
farther we passed another creek  
the name I do not recollect.

Just before night in trying our  
 boat off a rock I fell in the river  
 and wet wet myself completely  
 all over. This is the first time  
 that I had the like misfortune.  
 The mountains appear to be  
 settled back of the banks or hills  
 we saw a number of Bald  
 headed Eagles on our way down  
 Friday 8<sup>th</sup> We ran a ground go  
 our paper on the Conjunction Creek  
 3 miles above Hattany. arrived at  
 Hattany before noon. This place  
 quite a smart village the houses  
 mostly of brick they burn pit  
 coal which makes it seem  
 like N.Y. a large house looks  
 to the water and (2) one that  
 are joined a number of Red  
 Boats were running up and  
 down at this place

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The wind blowing so strong ahead  
that we are obliged to lay by a  
wharf at which place is a <sup>large</sup> perpendicular  
ledge of rocks and the mountain  
rises immediately above, under these  
rocks there is a strata of Mineral  
Coal from which I procured a piece  
and put in our furnace. It burns  
like pitch pine it seemed to me  
like tar the scent is sulphurous  
a black smoke arises from  
it. Below Huttons there are a  
great number of land slips on  
the sides of the mountain reaching  
into the river. Saturday 9<sup>th</sup> passed the  
Juniatta Canal which crosses the Allegheny  
by an Aqueduct of 6 arches and <sup>is</sup> lower  
This canal intersects the Pennsylvania  
canal. It crosses the Allegheny about  
a mile above Freetport a village  
that appears to thrive as the  
canal is on one side the river on

the other Frigate is 15 miles below  
Hittanny. above and Frigate there  
perhaps 15 or 20 salt manufactures  
coal abounds in abundance on the  
banks. observable as we pass along  
the banks here is a very rich soil  
it has the appearance of a very  
rich country. The Hittannanito  
empties in at the Aqueduct. a  
considerable stream - another stream  
empties at Frigate. The Canal crosses  
it by 4 locks. passed on to Rich-  
-sburg distance 18 miles. consisting  
only of a few old houses. on the  
opposite side. There are also  
a few canal houses. Sunday  
10<sup>th</sup> - about noon arrived at  
Pittsburg. 12 miles from the  
the aqueduct crossed by 7 locks  
about 40 rods a bridge crosses  
also with covered. I took a boat  
about the City. It seemed very low  
I crossed 18 miles Boat on the  
unusually at bridge crosses it

by 6 miles. The city is quite low  
 immediately back is a high hill  
 on which I retired for a moment  
 which presented a most beautiful  
 view of the hills being so close  
 that I could see every house  
 the smoke from the coal gave  
 the houses a black appearance  
 I never saw a more interesting  
 view in my life. back of  
 the city you can see the  
 plains on which Bridges  
 was slain. The eminence from  
 which I viewed the city is called  
 Grants hill. An officer by the  
 name was killed in the <sup>war</sup> Rio  
 the spot is identified by a  
 small mound of earth  
 the foundation is in Alfred  
 town across the river to a



35  
Fort du Quersne was situated on  
the point. Byarstown is a village  
about 2 miles above Pittsburg  
a garrison is stationed here  
Brammington is a village  
on the other side of the Mon-  
ngokela. a very large chapel  
is erected on Grants hill in  
a commanding site, very large  
the coal hell in sight of P.  
is on fire and has been for  
a long time, a number of Cotton  
Iron and other factories are  
here. There <sup>are</sup> several foundries  
I visited Fort du Quersne saw  
the old Magazine. the walls  
which are 4 feet thick and all  
over. A subterranean passage  
led from the Magazine to the  
monongokela and the river.

impressions of cannon shots  
are to be seen now that were  
fired by the British from the  
hill south the redoubts are  
in part discernible yet parts  
are to be seen bones have lately  
been dug up. In visiting these  
remains I reflected back on  
the time that transpired  
in days of old. What anxiety  
and fear agitated the minds  
of those that stood in my  
footsteps! Now times have  
changed! happy people are  
now are enjoying the comforts  
of peace and plenty. God be  
praised for what we now  
enjoy. may our land ever  
be blessed and prospered

37 Monday 11<sup>th</sup> before I left Pittsburgh  
I visited the Iron factory. where  
I saw the pigs of Iron heated  
and rolled into bars. Works in  
the north of all kinds manufactured  
the process was really interesting  
on an immense bank of Allegheny  
now you see the nunnery a  
large white edifice. The smoke  
from the foundaries create a  
black smoke that hides the  
city, and darkens the sun  
stopped about 4 miles below Pitt  
burg and made us a sail -

Tuesday 12<sup>th</sup> afternoon hoisted sail  
with a brisk wind made great head  
saw until after dark got on a rock  
in the middle of the river obliged  
to stay until morning. Wednesday  
13<sup>th</sup> Got into the water and with  
hand spikes pried off sails out to  
Beaver a little village 28 miles

from Pittsburg. 18 miles from Pittsburg there is a little village consisting of a few houses. Called Economy. Two large wooden factories are here. Two steam boats were on the stocks at Pittsburg. one a few miles below and another at Beaver creek empties at Beaver a considerable stream. 103 miles from Beaver to the river. <sup>and the long grassy prairie</sup> are on the banks here. The water now is at low water mark. Thursday 14<sup>th</sup> heavy head wind made but few miles repaired our boats. <sup>the boats were in a bad way</sup> Friday 15<sup>th</sup> At head wind. afternoon crossed the

39  
line of Pennsylvania into Virginia  
and Ohio. stopped a while at George<sup>town</sup>  
about a mile above the line staid  
over night at Wellsville in Ohio. This  
place consists perhaps of 10 or 15  
houses 2 or 3 Taverns. stores & 1 post  
street on a high bank of the river  
two streets running back from the front  
high hills beyond narrow flats  
about half a mile. this place appeared this  
Saturday 16<sup>th</sup> rained all day got within  
3 or 4 miles of Stubenville 21 miles from  
Wellsville landed on Virginia side for  
the night, passed Yellow Creek a small  
stream at the mouth of which is a  
salt manufactory. Sunday 17<sup>th</sup> ~~at~~  
early in the morning arrived at  
Stubenville. in size.  $2\frac{1}{3}$  as large  
as Pittsburgh the streets paved  
with Iron Cotton Walker  
factories &c. houses principally  
of Brick. passed on to Wheeling

40  
about 12 below Shenandoah, in  
Virginia - it is a large Village  
a cotton factory & from the  
houses principally of Brick  
a pretty large creek empties  
below the Village high hills imme-  
diately back of the Village a few  
miles more another pretty Village  
on the Ohio side, I last arrived at  
Wheeling ~~by~~ about 22 miles below  
Shenandoah It is very fashionable for  
gentlemen and ladies to ride on horse  
back we often see 6 or 8 in company  
they still follow the custom of 4 and 5  
horses to a Pennsylvania Wagon  
viewed the Town, there were 4 steam  
Boats lying here. it is nearly as  
large as Pittsburg several factories  
the houses built of Wood & Brick  
the streets paved. There seems to  
be some life and spirit for business  
here on the opposite side the harbor

1/2 from the smoke from factories  
give it the appearance of Pittsburg  
there appears nothing <sup>at</sup> interesting  
here as in Pittsburg about 90  
miles to Marietta. 15 miles back to  
Pittsburg a considerable number <sup>in</sup>  
here several common places of  
public worship are here. passed on  
saw one Steam Boat on the stock  
a great number of wharves are all  
along the river we still find coal  
along the river Banks in abundance  
Tuesday 19<sup>th</sup> head winds. passed <sup>at</sup>  
creek on our right of left, stopped  
at sunfish creek at which place the  
river makes a great bend. Wednesday  
20<sup>th</sup> heavy head winds. We were to  
with a long rope around our  
wheel and around the mast. set  
to sail but all to little effect.  
great signs of rain quite cold.  
Virginia corn seems the staple  
production to be to the acre



Thursday 21<sup>st</sup> rowed all day<sup>42</sup>  
passed Sistersville 83 above  
Marion. The inhabitants along  
here catch fish by making a  
fall down pating it. the fish  
getting into this house above  
the bait spring the trap and  
are caught. These traps are  
numerous most of the houses  
are most miserable. on the  
Virginia side we see some  
rich farmers who have slaves  
fit down hearted caught a  
severe cold. it settled in my face  
and teeth.

This morning the steam boat left by  
passing by up the river, the same boat  
that went to Olean last spring but  
reports are telling me the steam which  
leaves her along is nowy disagreeable to  
passengers I should suppose. as we pass  
petate riddle a large steam boat, for  
on a bar almost every family are  
about leaving this country for the West  
look. the farms seem miserably cultivated  
wheat seems not to do well here

Saturday 23 a real Indian summer  
day. the country now presents a vast  
plateau most beautiful. there are  
strata of rocks perhaps  $\frac{1}{2}$  mile in  
length but instead of laying <sup>out</sup> long  
they rise as we go down, <sup>parted</sup>

30 - Sunday 24<sup>th</sup> arrived at Marietta  
which is a place consisting perhaps  
200 houses a court house on  
just the houses very much scattered  
a few houses in front compact a few  
houses of Public worship. one very  
a steam flour mill in the afternoon

mouth of the Mississippi river a  
beautiful river. This place was first  
settled by the Ohio company. for 9  
years past it has been trading  
in steam Boats. (The Tariff) lay  
down another in the stocks just  
before. just before night passed

**Parkersburg** a small village

The Little Kanawha 12 miles  
below Harbottle. a church and several  
large brick buildings are here.  
Large stacks of ground stones are  
seen along the banks to be taken

to market. since my very cold my  
head seems almost putrefied. at  
times a very noxious putrid air or  
matter is discharged through my  
mouth and nostrils. which is  
almost insupportable. the most dis-  
agreeable that can possibly be endured.  
Monday 20<sup>th</sup> passed a stream  
as large as the Kanawha above

14 helped the latter besides a number  
of considerable streams  
we still see coal in the mountains

Tuesday 26<sup>th</sup> nothing worth  
noting, only the river flats  
are inhabited by people of little  
industry. accented by a swamp  
within about 80 rods which renders  
unhealthy. of course they are transi-  
ent dwellers. Wednesday 27<sup>th</sup> rowed

all day steady, came about 25  
miles. turned the great bend and  
traveled north. Just west of  
the bend there is a town & store  
and a floating saw mill  
very rapid. <sup>Intersect</sup> falls are here. The  
country here is delightful  
an immense plain.

Thursday 28<sup>th</sup> rowed all day, passed  
a steam saw mill. a steam boat  
that we have not seen before  
passed down by an immense  
bed of coal on each side of the  
river.

arrived at the mouth of Great<sup>40</sup>  
Kankaway at which place is  
Point Pleasant a smart Village  
The Great Kankaway at the mouth  
appears half as large as the Ohio  
I am so used to rowing that  
I can sit and row all day  
steadily without tiring, my hands  
are black and have been a common  
labourer in the morning early  
we arrived at Gallipolis 4 miles  
below the Kankaway and about  
100 below Marietta and about 900  
from Pittsburgh. 200 below Wheeling  
Gallipolis is a country seat where  
Pastors a church is located. The  
houses principally of brick. The  
houses very scattered. The Tariff-people  
saw we hailed them, they offered to  
take us to Cincinnati for \$2.00 -  
thought it too much had some  
poor potatoes, waiting in the  
evening, went out to rowing

It being so very smoky we could  
not tell up or down: got my  
compass. a great number of  
people all along in fact  
ever since we left Alton  
are moving to the Western  
country many to Kentucky  
and Louisiana. Saturday 30<sup>th</sup>  
so foggy we could not run. made  
an excursion on the land. for the  
first time saw cotton grow. rowed  
a little distance toward the steamer. Next  
she had to lay by for fear of the  
Green Backed Riffle until the fog  
dispersed, at night passed Guyon  
creek: about 12 miles above Sandy  
river. from Pittsburg all along the  
river very green. many seems dried  
up. very little butter has been made.  
They change in most places sit for  
a quart of milk. Sunday 31<sup>st</sup>  
stopped at Burlington. a small  
country seat of little importance  
opposite twelve mile creek where  
Campbell's opposite R. in Virginia.

4 miles below is Big Sandy m<sup>n</sup>  
which is the line between Virginia  
and Kentucky - at which place  
lay a Steam Boat, Western Virginian  
just below lay a steam Boat  
on the stocks the A. C. Hughes  
passed is it Burlington. about  
sun down a thunder storm came  
up the most dark and gloomy  
that I ever beheld. We lay in  
Kentucky this night we saw  
10 or 15 droves of hogs to day. in some  
were 1000 hogs. Monday 1st November  
passed Gounapshurg a country  
seat consisting only of a few  
houses, a very small court house  
and jail. Letch sandy empties here  
20 miles from Big Sandy. Coal  
abounds in the mountains  
in Kentucky, along the banks  
of the Ohio. A few days since 4  
negroes were hung at Gounapshurg  
for killing their Master who was  
beating them & driving them to Orleans.



47  
Large flock of ducks flying over  
the shore. Tuesday 2<sup>d</sup> Nov. passed  
Little Sciata about 8 miles above  
Big Sciata above of Portsmouth  
a very fertile town about half  
the distance of back a brick coal  
house a coal lock is exposed  
at the lower part of the town  
the place is 45 miles below Burlington  
the Sciata river empties into the Ohio  
a mile below Portsmouth. the banks  
at the mouth of the Sciata are low  
and are inundated in high water  
the Laurel & Mahanah steam bo-  
tany at Portsmouth, coal still abundant  
the soil all along appears very rich  
very heavy timber with many mixed  
and some oaks. the morning

Wednesday 3<sup>d</sup> heavy head winds. High.  
The composition of horizontal layers of  
rocks, sand and stone a layer of coal  
another steam bed on the shore, the  
Laurel, pressed down by us this  
afternoon. Thursday 4<sup>th</sup> passed by a  
small village in Kentucky, about 20 miles

small, narrow Kentucky a small in  
the salt lick impure here. The ferry went  
up by us at this place coal & till above  
on both sides the river yet. the land a  
sandy loam, several new trees. I see some  
which are the sweet gum a very singular  
tree. had winds again today. passed another  
village (concord) 12 miles more 7 miles  
more stopped at Manchester also  
on Kentucky side. Friday 5<sup>th</sup> heavy rain  
winds unable to run, at sundown started  
ran 10 miles arrived at Maysville  
12 miles from Manchester. Maysville  
is paved both side walks and street  
it is very compact and quite  
large. since stone creek crosses  
here immediately in rear of the town  
is a high hill which prevents it from  
spreading further back. the houses  
mostly of brick. on steam Boat  
lay here (H. Perry) passed on to Ripley  
most little village in Ohio, houses all  
brick a brick court House. steam Boat  
Paragon lay here. Ripley is 9 miles from  
Maysville

passed on the Augusta (4 miles further)  
a considerable place streets paved, a  
very pretty college in the rear part  
of the town, steam boat Toroff passed  
down by us (saw 1 1/2 hours high, rained  
in the evening) passed a small village  
in Ohio 7 miles below Augusta passed  
the Toroff. her engine injured & obliged  
to stop (went to the Allegheny on a  
riffle). Two boats passed us in the  
Sunday 7<sup>th</sup> two hours before day started  
a fine breeze down stream passed  
a place called a little village in Ohio side  
on to Moscow in Ohio 3 glass factories  
are here 10 miles from Richer 3 miles to  
point (passed a small village at the  
mouth of Big Indian. 5 miles more  
passed New Richmond a pretty  
large village also in Ohio. passed 10  
more little villages in Ohio side 7 miles  
above Cincinnati the Little Miami  
crossed. at length arrived at Cin-  
cinnati which is 65 miles from Marysville

and 110 miles from Kentucky line<sup>50</sup>  
One thing is a little remarkable  
i.e. we started from Ohan on  
Sunday. The next Sunday arrived  
at Franklin half way to Pittsburg  
next Sunday arrived at Pittsburg  
next Sunday at Wheeling next  
Sunday at Marietta next Sunday  
at Burlington and Kentucky line  
and finally at Cincinnati the 6<sup>th</sup>  
Sunday. I am now over 1100 miles  
from home.

Mr. Michell called on  
Col. Davies a commissioner of a  
turnpike to be worked. we  
from the hill viewed the City  
which was interesting Newport  
a very pretty place is situated  
opposite Cincinnati at the Mouth  
of the Licking River. Business  
appears quite lively - Two Iron  
Steam Boats on the stocks, and  
21 lying at Cincinnati a few miles  
to Louisville. Two ferry Boats are  
on by steam the other by horse power  
there is a military post in Newport

several foundries & factories are  
of extensive business. Tuesday 9<sup>th</sup>  
agreed to stop 2 weeks with Mr.  
Woodruff an Engineer. visited  
the foundries saw the casting machine  
to which interested me much  
I saw them melt and pour the  
metal into the mould which is  
as thin as water and runs as  
truly. one building for water works  
is 9 stories high. This afternoon I  
visited the real part of the City  
they are excavating a canal from  
Whitcomb to Dayton and will <sup>or may</sup> enter  
the Ohio Canal and run to Lake  
Erie. I visited the City Hospital  
on a hill back of the City. then  
to 3 Museums in Cincinnati

Wednesday 10<sup>th</sup> took my Board to  
The City Hotel for 2 weeks and visited  
Mr. W. W. Woodruff. Mr. Mitchell took  
a house for a few weeks in  
getting a job as a contractor on

55a. public road Thursday 11<sup>th</sup> we  
walked about the city & in the  
evening together with Mr. Fodor  
visited Mr. Williams who has  
a Book Stationery & Music  
store, he urged me to start  
Lithography here - In Cincinnati  
are 3 Museums & 1 theatre, 1 cir.  
Friday 12<sup>th</sup> nothing occurred worth note  
Sunday 14<sup>th</sup> went to Church twice  
I understand, by persons, in Cin.  
that, last summer at Big Bone  
Lick, were found the bones of an  
enormous monster one tooth of  
which weighed 7 1/2 lb. one bone  
9 ft. and when two ribs were  
put to the back bone, it measured  
15 ft. across, a part of the hip  
500 lb. and upwards. The water  
runs 60 ft., and sometimes  
overflows the the lower part  
of the town. The first person  
that landed between the Meander  
is said to have, about 40 years ago



The first block house was built  
I have seen a number of Beards  
bees. There times as many as  
in N.Y. Big Bone lick in Kentucky  
about half way between Cincinnati and  
Louisville 8 or 9 miles from the Ohio  
on Big Bone Creek, Tuesday 16<sup>th</sup>  
I am quite sick with a severe  
cold in my head and limbs—  
Sunday 21<sup>st</sup> near the centre of the  
city under a hardware <sup>store</sup>, Phillips  
in the cellar is a subterranean  
which leads to several rooms all  
over in these rooms are piles of  
military caps barrels of whiskey  
cans of swords pistols guns beyond  
to which are rotten - They were  
put there in the time of Col Burr  
conspiracy, which is supposed to  
be some. Genl Harrison moved about  
18 miles below here on the banks  
of the river in this state. 150  
miles to Louisville 600 to the mouth  
of the Ohio 200 up to St Louis

Nov. 24<sup>th</sup>. Started for Louisville in  
the Steam Boat "Banner" after  
having spent towards 8 weeks  
in Cincinnati and forming a  
number of acquaintances.  
about 4 o'clock we were on a bar  
about a mile below Fordwicks  
burg in Kentucky where we lay  
till 9 o'clock having lighted our  
boat we got off. About 11 we  
passed Kentucky river there  
are villages on each side  
we passed a number of Villages  
above this which is not  
necessary to mention. I formed  
several acquaintances who were  
going to N. Orleans to spend the  
winter, about 2 o'clock passed  
Madison a Ohio Village  
I am now past of this time  
on Indian river and part of the  
river in Kentucky 75 miles  
from Kentucky river to Louisville

Thursday 25 in the evening  
landed at Louisville which  
is quite a considerable place  
containing perhaps 15000 inhabitants  
the falls break here

Friday 26<sup>th</sup> walked about in  
Louisville, near which is quite  
long and wide, you have a prospect  
of Jeffersonville in Indiana, and  
3 miles below Louisville is shippingport  
a dirty filthy village, just about  
about 1 mile opposite Louisville  
Indiana side is Albany which  
quite larger, the country here is  
very level on both sides of the river  
there is a canal cut from  
Louisville to shippingport for  
steam boats. it is a heavy work  
at shippingport and look from  
the top to the bottom is about  
50 feet thick in the height of the

54 There is one stone bridge on  
it of 3 arches. at Shippensburg  
to Portland I counted 81 steam  
boats bound & that are bound  
belonging to the port -  
The small pox is raging in  
Louisville I saw post several  
houses that were infected with  
it a number die with it.  
The captains mate of the Fairy  
fought at the Battle of N. Orleans  
I conversed with him about it  
Saturday 27<sup>th</sup> I expected to have steamed  
from here last evening but was dis-  
satisfied they promise to start this  
evening today I walk about. One  
of the steam Boats for Orleans  
has over a dozen negroes chained  
together for market. Sunday 28<sup>th</sup>  
raining but little prospects of steam  
a very jovial crew on board &  
much crowded on Deck

Monday 29<sup>th</sup> left the Fairy it<sup>60</sup>  
being a poor rotten old Boat  
we would be obliged to sleep on  
board the Fleet that she towed  
and would be in danger of <sup>being</sup> hit  
a great number of slaves on board  
a man fell in the river before  
day this morning he was picked  
up in a yawl and saved. I together  
with my companions went on  
board the Niagara who promised  
to start on Wednesday night  
Tuesday 30<sup>th</sup> water rises in the  
of starting at 2 o'clock P.M. we  
bought 3 beef steaks this morning  
and sugar & coffee and beer agree  
with a party on board to cook for  
us upwards of twenty or thirty  
families besides a great many  
men are bound for St Louis  
on the Fairy and Niagara  
of all the morning I saw said  
that boats all 3 families from Carthage  
on board

the Spaniards had sent of the  
the shore to passengers, yet any  
at some boys that had been  
take after them with the dirk  
I find that all or nearly every  
man carries a dirk. In his  
side arm some; pistols. Dec. 1  
a warm beautiful day. The captain  
promised to start today. The Talma is  
to start today for St. Louis and the  
Hatterman for St. Louis today. The  
water rises quite fast. The dirks are  
so common that a person can hardly  
find a person who does not have one.  
When a person or family  
come on board, you ask them where  
they are bound. There is St. Louis—  
It is very fatiguing to be so long on  
a steam boat in suspension. I wish  
that the roads were almost impossible  
across the Indian and American  
in high water the ferryage across the  
Wabash is 20 miles and 20 dollars for  
a waggon, Thursday 2<sup>nd</sup> early  
the morning started for St.

we had a thunder shower in  
the morning, the water across  
3 ft. last night, it grows  
colder. Very windy today -  
passed Salt River in Kentucky  
arrived at Brandenburg a mile  
west in Kentucky 40 miles from  
Kentland 1. collected land & some  
fruit. passed Philippi a  
little below, a small Pine Lumber  
in Brandenburg, at night lay by at  
about a mile above Flint Island  
Friday, 3 passed Rome and London  
where two towers lay opposite each  
other the Captain fell in the boat  
and severely injured himself  
towards night passed green River  
a large stream in Kentucky  
Friday, 4 at last night lay by all  
night at Scrabble town far opposite  
Cypress Point. this morning a blank  
at in the wheel which threw  
it through the river close to a man



that was in it the time 6 inches or  
it would have run through this  
today passed Evansville, the country  
here on both sides is low and  
level you look in each side as  
far as the eye can reach you  
see no bluff no rise of land  
the banks covered with wood.  
The river overflows every spring  
this morning passed Green river  
a deep dead stream navigable  
on high water 200 miles. we got  
aground on Snuffletown bar —  
passed Hendersonville, passed Mt.  
Vernon a little village in Indiana  
how different this country and what  
I left a vast plain as far as the  
eye can reach, not a single rock  
passed Wabash river 8 miles  
below arrived at Shawnee a  
small village where we  
stayed all night, I got my  
supper together with my

comprancers. we lay in more  
provisions here. Sunday 6<sup>th</sup>  
got a ground, passed Cair in  
rock. a very regular arch  
probably 10 feet high and very  
regular I discovered many names  
engraved on the rocks throughout  
the ledge of Lonsden rocks  
this perpendicular for miles  
above from the river. passed  
Cumtulan river. just below  
we ran aground and whaled  
against the Smalt. that we  
aground also and carried  
away our rudder. or tiller at  
least we lay here all night -

Monday 7<sup>th</sup> a clear beautiful  
morning, passed Fort Massac  
in Indiana. an old river fort  
close on the bank, above the  
Cumberland you see bluffs on  
each side but today the country  
is a vast plain as far as the eye

can reach. The Tennessee river  
at its mouth is an Island  
that makes two mouths of  
stopped in which at Trinity  
a small village 6 miles above  
the mouth of stream Beets lay  
here just before sundown arrived  
at the mouth of the Ohio, there  
is not very little difference in  
the width here but the current  
of the Mississippi is powerful  
beyond comparison. The shore  
is all woods hardly a house  
is seen on the banks below  
Savannah and from the mouth  
we are stopped near the two  
sisters Island for the night  
the Mississippi is full of snags  
which renders it dangerous  
to run in the night. Found  
8 - passed Cape Girardeau a  
small village in Missouri  
passed Barnbridge 4 hours

only Hamby on the Illinois  
side opposite 2 or 3 old forts  
passed the Dutch Sea table  
and the Grand tower, a rock  
rising in form of a cone  
perhaps 50 or 60 feet, on  
the opposite side is the  
Devils lake arm, an arm  
like cove in a perpendicular  
rock and I believe side  
at night stopped for the night  
about 1 mile below Billings  
more on the Illinois side

Wednesday 9<sup>th</sup> passed Flasket  
-as river passed St. Lawrence  
where day the N. Jersey that  
had sunk a short time before  
I went on board here. stopped in  
while at Salomon. there is a  
short factory here & in stone  
houses stopped here for the night

67+ ~~St. Louis~~ 20 miles below St. Louis  
Thursday 10<sup>th</sup> passed Jefferson Barr  
in Altonville which make a port  
apparatus from the river arrived  
at St. Louis at 10 o'clock, went  
together with 7 young fellows  
to a Hotel and breakfasted  
broke the letter from the post  
office and read it with much  
satisfaction. I have crossed  
the Mississippi river and  
soon entered the 6 mile  
prairie which is level, only now  
and then a beautiful mound  
of earth perhaps 25 or 30 feet  
high as I crossed the prairie  
I came to the bluff which  
is full a mineral coal of a  
good quality, a few miles further  
I arrived at Mr. Port's where I  
was kindly entertained

What is worth 45 & 50 and cost  
20 - 25 - per bush 2 1/2 - 3 but the same  
flourish of fruit of every kind  
as low as in N.Y. corn yields  
50 and 60 bush per acre. Hogs live on  
nuts. deer wild Turkeys prairie hens  
in abundance apples bear 3 years  
from the sprout prunes 3 years  
from the seed. in the forests you  
find several kinds of plants. acorn  
walnuts also hazelnuts pecan  
nuts. There is wheat so sown on the  
corn land and is green and flour  
in the fall when the corn is getting

Friday 11<sup>th</sup> they just began to  
gather corn to day 1 1/2 bu. of ears  
yield 1 bu. of shelled corn they sell  
this corn in the ear, quite early  
to day snow falls plentiful this  
morning. A lot turns into hail  
There are many curiosities in Illinois  
remains of fortifications, walls, human  
bones &c. in one place in the side of

69  
A hill some hunters discovered a  
stone standing west side of a road  
they took it down and entered a  
room 20 ft square where they  
found 5 or 6 cart loads of  
human bones. within a few rods  
of Mr. Post a well was dug and  
10 or 12 ft. was taken a stick of  
wood and some fuel coal &c  
Saturday 12<sup>th</sup> Clear but cool & no  
all game. Mr Post and myself  
rode out 16 miles from his  
house to a mound of earth  
on the prairie on one side  
a level plain on the other it  
descends down, ~~into~~ the bluff  
into the American Bottom  
The mound is in shape like  
a potatoe heap or where potato  
are buried and covered with stone  
and dirt it is 95 feet high and  
covered with grass



There is a hole dug in the  
side perhaps 25 or 30 feet when  
I entered when on the top you  
have a most interesting view  
of the American Bottom for  
20 miles up and down. St.  
Louis is in sight coal  
hills are in sight in fact  
The prospect is sublime  
beyond description - There are  
two kinds of wild plums,  
crab apples, pappas, prunus  
black and white walnuts  
black and white oak acorns  
pocoon for wild turkeys etc.  
Goose prairie near Wilkes for  
their black snakes in succession  
above the stream  
are full of fish Cat, buffalo,  
beaver perhaps but not the



Mr Post killed a muskoxen snake  
8 feet long. also a black snake.

11 feet a muskoxen snake was  
seen that was about 30 ft long  
and about 10 inches through it  
passed into the swamp bottom  
Wednesday 16<sup>th</sup> froze ice 2 inches but  
a clear beautiful morning

Thursday 17<sup>th</sup> left Post for St Louis  
very cold crossing the prairie for and  
not a single stream Boat at St Louis  
found some my acquaintance stay  
at the Green Tree Hotel Friday 18<sup>th</sup>  
left St Louis in company with  
a market waggon bound to St Louis  
out in the country & young  
man and myself travelled on  
ahead 2 miles expecting the way  
we set down in a thicket by  
a spring waiting for our companion  
we saw a c. noise at a distance  
supposing it to be our companions  
we arrived at several houses

29  
it approached near an river at  
last we heard it yell about a  
hundred yards from us in a  
right on the side hill in the  
thicket the young man then  
recognized the voice of a panther  
we then ran back about 1 mile  
and found our company together  
with two other men occupied  
side of the river where we  
stood all night and sleep in  
the waggons in the cold. I then  
thought of home sweet home  
where my dear friends are sleeping  
are feathered beds and there  
in a far distant country and  
strangers in a waggons on side  
of the road and nothing to cheer  
him but the canopy of leaves  
no home within several miles  
next morning passed through  
Manchester a little village

74  
The country here is life  
tempting. small prairie with  
very rolling. They complain some  
of the ague. I saw at St Louis  
a great number of Indians of  
the Delaware and Osage tribe  
painted red and black stripes  
with feathers in their hair.  
Sunday 21<sup>st</sup> last night I started at  
a fair and moon evening  
about the country for this  
morning started for a settlement  
on the Missouri river about  
12 miles distant saw but  
2 or 3 houses on my way. The  
country here is very rolling  
and pretty heavily timbered  
one mile with I saw a white  
plant stem which covered it  
very thickly came on to the  
Missouri bottom which is  
covered with heavy timber at  
last arrived at the great river

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Handwritten text in a cursive script, likely a historical document or manuscript. The text is written on aged, stained paper and is oriented vertically. The script is difficult to decipher due to fading and the style of the handwriting. The text appears to be a list or a series of entries, possibly related to a historical record or a personal journal.

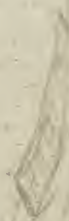


6	5	4	3	2	1
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24

0.00  
0.01  
0.02

1871

1872



Gov. Miller of Missouri & Gov. Reynolds of  
Illinois Legislature has made no  
provisions for schools in either state  
both masters are elected by the local  
Court who when the need wants, by  
orders out the district no asupm  
a poor man works as much as  
a rich man. Their taxes are 25 cents  
per 100 dollars, appraisal. Sunday 27  
took a walk across the bottom  
2 1/2 miles to a neighbor saw two  
deer track on tracks, gathered  
grapes as many as I could see  
The low ground produces the cotton wood  
swamp maple, pecan, sycamore,  
aspens, pawpaw, arum, & willow.  
High ground, persimmon, mulberry,  
chestnut 7 or 8 kinds of oak iron wood,  
crab apple, common to both high & low  
sugar trees several kinds of walnut  
several kinds of hickory cherry bark  
black & horny locust 3 kinds of elm  
green tree, linden, sassafras, white bark  
oak & leatherwood 2 kinds of ash  
several kinds of poplar, beech 2 kinds  
of birch, dogwood & the coffee tree

in the forests. The buffalo & kinds  
of elk, 2 kinds of deer. The river, beaver,  
otter, 2 kinds of foxes, great  
mink, marten, opossum, rabbit  
& kinds of squirrels (are indigenous)  
Ducks 3 kinds of trout, Woodcock, plan-  
tains, ant, & catfish, quail, pigeon  
prairie hen or grouse. Wild geese  
to Turkey - Carp & catfish, and  
trout, and fish but are not plenty.  
It seems to be 18 miles below the mouth  
of the Missouri at Charles & it is  
its mouth. I am now about 15 miles  
above St. Charles on the right bank  
of the Missouri, on Bonneville's  
Wednesday 30<sup>th</sup> snow fell in abun-  
dantly from the south, yesterday about  
1764 the snow founded by a company  
Fort Massie on the river was taken by  
stratagem. several Indians desired to  
hear them, in all parts, on the opposite  
bank they dug a number over spots  
every soldier going at the spot where  
a large body of Indians entered the fort  
on the river and massacred them.

17  
pleuritic disorders are somewhat in  
all parts. Plannet worn next the  
skin both summer & winter is a  
antidote to the endemics of the  
Winter generally sets in about the  
20<sup>th</sup> November and last till near the  
close of February though hard  
frosts & own snows are common  
in October & March. For 3 winters  
commencing 1802 the blizzard  
at St Louis was possible in the  
Ice before the 20 of Dec. each  
year and clear of all obstructions  
with only one exception by the last  
of February Ice Jan. 1805 The  
ice in the river extended 22 in  
there is seldom more than 6 in  
of snow on the ground at a time  
St Louis is latitude  $38^{\circ}24'$  In the  
wogs. They scald them in large  
kettles and beat the water by  
means of hot stones immersed  
in the water & men will kill by  
drow 30 hogs in a day. in picking  
bacon they put the shoulders &  
hams in large troughs in a pie

of salt & salt pits fill the tract  
full and on top of them the seas  
with salt ruffed over them pits  
up quite high they let them  
ly here untill about February &  
then smoke the whole in large  
smoke houses untill sold —  
Northern people after living here  
2 years generally <sup>enjoy</sup> a good degree  
of health. Those living on the  
borders of great waters are subject  
with diseases generally of the inter-  
mediate kind, those from the eastern and  
middle states are subject to the  
diseases especially the first after  
their arrival. The settlers  
of all descriptions who settle  
themselves in the interior  
at a distance from any large  
body of fresh water are seldom  
attacked by epidemics. Catarrhs  
are common, & severe short-windedness

Sept. in 1795 17<sup>th</sup> 20<sup>th</sup> 21<sup>st</sup> & Feb. 1800  
buildings were considerably shaken.  
Pumice stones of considerable  
size have repeatedly been found  
floating down the Missouri.  
The existence of a volcano on  
some of its waters is now fully  
ascertained by some late discover<sup>ies</sup>.  
The confused disposition of the  
rocks in the low country, particu<sup>larly</sup>  
those of N. England, may perhaps  
with propriety be imputed to  
earthquakes, for the history  
of that part of the union has  
commenced 45 earthquakes between  
1628 and 1782 a period of 154  
years. The current of the Missouri  
is more rapid than the Mississippi.  
The length of the river from the  
source of the Missouri to the gulf  
is 4460 miles. from the junction  
of the Missouri with the Mississippi  
to the gulf of Mexico 1364 miles.  
The Cumberland river runs south



90 feet. The mouth of the Illinois is  
18 miles above the Mouth of the Miss.  
The Spanish Arroyo is 85 in number  
as equal to 100 acres. The Spanish  
grants all along here go by Arroyo  
Dec. 31<sup>st</sup> a severe cold morning. A  
heavy snow squall last evening.  
The Mexicans say this is so far  
the coldest winter for upwards  
of 25 years. Madoc a Welsh man  
in 1170 sailed with a colony to  
America in quest with much  
apparent probability from the  
discoveries of several nearly white  
savage nations who speak a  
language understood by the Irish  
and they have a traditionary  
remembrance of these original  
settlers in their country. The fact of Madoc  
is found in the Welsh history by  
Paradoc translated into English by  
Lloyd and published by Dr. David  
Powell in 1584. on Owen Gwynedd's  
death a contention between the  
princes, started Madoc with the idea

These both men are anxious  
to seek adventures by sea sailing  
west and tracing the coast of  
Iceland where they left before  
so far north that they came  
to land unknown. There is  
a nation speaking the Welsh  
tongue in Virginia (old Lusitania)  
in Florida - in Red River. Shoff  
in Missouri and in the Wabash  
It is supposed that the ancient  
settlements all over the  
Western country were made  
by the Welsh and the ancient  
and I have read in St. Louis  
Louisiana I am led to con-  
sider this idea - True for the list  
of names. Also little side the  
Lake went but inwardly say  
I appear first and also apply  
it with the second it will  
afford a cure almost instant

lure for corns - Put the corn  
every morning with cold water  
in a sponge & cure will be  
effected in a month -  
lure for the tooth ache. Alum  
reduce to impalpable powder  
two drachms; mixture of spirit  
of aether seven drachms;  
mix and apply them to the  
tooth -



Henry Bayley

Fulton Livingston

near center

passer wheel 18 ft diam

two wheels 9 rolls 16 diam

down 5 feet diam

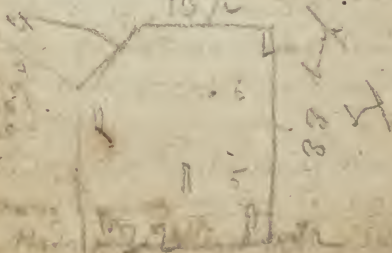
wheel 1 foot

fly wheel 5 ft 8 in

wheel 4 to 5 - attaching 9 in

each spoke cylinder 2 ft long

10 1/2 wheel 4 in diam



To make indelible ink  
Nitrate of silver 2 drachmes  
Rain water 4 ounces  
thickened with gum arabic  
Before writing starch and  
Iron the cloth  
after it is written lay it in  
the sun and the colour  
will become black

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Luminous Ink  
1 ounce essence of cinnamon  
 $\frac{1}{2}$  do phosphorus Cork  
the the phial slightly  
and keep it nearly boiled  
hot for three or four hours

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1 qt alcohol 3 oz Shellac  
3 oz resin Turpentine 1 table  
spoon full Lamp Black  
put all in a bottle place  
the same in warm water  
untill dissolved the latter





